

IN THE CLAIMS:

Claim 1 (Currently Amended): An image processing device comprising:

an output image data generation unit that performs a generation process per partial image to generate output image data from input image data ~~and transmits the output image data to an output image data sending unit;~~

~~the output image data sending unit that transmits the output image data generated by the output image data generation unit to an image formation device;~~

a converting unit that performs a converting process per partial image to convert the input image data into recognition image data; and

a recognition unit that performs a recognition process per partial image to recognize a specific image from the converted recognition image data,

wherein, when a possibility that at least the specific image is included is equal to or higher than a predetermined value, the recognition unit performs the recognition process to recognize the specific image on the partial image together with another partial image ~~the output image data generation unit waits to transmit the output image data to the output image data sending unit until the recognition unit completes the recognition process.~~

Claim 2 (Previously Presented): An image processing device according to claim 1, wherein a format of the output image data and a format of the recognition image data are different from each other.

Claim 3 (Original): An image processing device according to claim 1, wherein a color space of an image formed by the output image data and that of an image formed by the recognition image data are different from each other.

Claim 4 (Original): An image processing device according to claim 1, wherein resolution of an image formed by the output image data and that of an image formed by the recognition image data are different from each other.

Claim 5 (Previously Presented): An image processing device according to claim 1, wherein the number of bits used to represent a pixel in the output image data and that in the recognition image data are different from each other.

Claim 6 (Cancelled):

Claim 7 (Previously Presented): An image processing device according to claim 1, wherein when the recognition unit recognizes the specific image, the output image data generation unit stops generation or output of the output image data.

Claim 8 (Currently Amended): An image processing method comprising:

generating output image data from the input image data;

~~transmitting the output image data to an output image data sending unit;~~

~~transmitting the output image data from the output image data sending unit to an image formation device;~~

converting the input image data into recognition image data; and

recognizing a specific image by using the converted recognition image data,

wherein, generation of the output image data and conversion to the recognition image data are performed per partial image and a process of recognizing the specific image is performed on the recognition image data per partial image such that when a possibility that at least the specific image is included is equal to or higher than a predetermined value, the process of recognizing the specific image is performed on the partial image together with another partial image the process of generating the output image data waits to transmit the output image data to the output image data sending unit until the process of recognizing the specific image is completed.

Claim 9 (Previously Presented): An image processing method according to claim 8, wherein a format of the output image data and a format of the recognition image data are different from each other.

Claim 10 (Original): An image processing method according to claim 8, wherein a color space of an image formed by the output image data and that of an image formed by the recognition image data are different from each other.

Claim 11 (Original): An image processing method according to claim 8, wherein resolution of an image formed by the output image data and that of an image formed by the recognition image data are different from each other.

Claim 12 (Original): An image processing method according to claim 8, wherein the number of bits used to represent a pixel in the output image data and that in the recognition image data are different from each other.

Claim 13 (Cancelled):

Claim 14 (Original): An image processing method according to claim 8, wherein when recognition of the specific image is performed by using the recognition image data and existence of the specific image is recognized, generation or output of the output image data is stopped.

Claim 15 (Currently Amended): A storage medium readable by a computer, the storage medium storing a program of instructions executable by the computer to perform a function for recognizing a specific image from input image data, the function comprising:

~~transmitting the output image data to an output image data sending unit;~~

~~transmitting the output image data from the output image data sending unit to an image formation device;~~

generating output image data from the input image data;

converting the input image data into recognition image data; and

recognizing the specific image by using the converted recognition image data,

wherein, generation of the output image data and conversion to the recognition image

data are performed per partial image and a process of recognizing the specific

image is performed on the recognition image data per partial image such that

when a possibility that at least the specific image is included is equal to or higher

than a predetermined value, the process of recognizing the specific image is

performed on the partial image together with another partial image the process of

~~generating the output image data waits to transmit the output image data to the output image data~~

~~sending unit until the process of recognizing the specific image is completed.~~

Claim 16 (Currently Amended): An image processing device according to claim 1,

wherein when the recognition unit recognizes the specific image, the output image data

generation unit stops the generation or output of the output image data, ~~even if the recognition~~

~~process on an entirety of the converted recognition image data has not completed.~~

Claim 17 (Currently Amended): An image processing method according to claim 8, wherein when the recognition of the specific image is performed by using the recognition image data and the existence of the specific image is recognized, the generation or output of the output image data is stopped, ~~even if the recognition process on an entirety of the converted recognition image data has not completed.~~

Claim 18 (Previously Presented): An storage medium according to claim 15, wherein when recognition of the specific image is performed by using the recognition image data and existence of the specific image is recognized, generation or output of the output image data is stopped.

Claim 19 (Currently Amended): A storage medium according to claim 15, wherein when the recognition of the specific image is performed by using the recognition image data and the existence of the specific image is recognized, the generation or output of the output image data is stopped, ~~even if the recognition process on an entirety of the converted recognition image data has not completed.~~

Claim 20 (Currently Amended): An image processing device comprising:

an output image data generation unit that performs a generation process per partial image to generate output image data from input image data ~~and transmits the output image data to an output image data sending unit;~~

~~the output image sending unit that transmits the output image data generated by the output image data generation unit to an image formation device;~~

a converting unit that performs a converting process per partial image to convert the input image data into recognition image data; and

a recognition unit that performs a recognition process per partial image to recognize a specific image from the converted recognition image data,

wherein, when a possibility that at least the specific image is included is equal to or higher than a predetermined value, the process of recognizing the specific image is performed on the partial image together with another partial image, and

when the recognition unit recognizes the specific image, the generation or transmission of the output image data is stopped, ~~even if the recognition process on an entirety of the converted recognition image data has not completed.~~

Claim 21 (Cancelled):

Claim 22 (Cancelled):

Claim 23 (Cancelled):